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ABSTRACT OF THE DISCLOSURE

A magnetic recording medium has a substrate, an underlayer formed on the substrate, a magnetic layer formed on the underlayer and including crystal grains having an  $L1_0$  structure mainly including Fe and Pt, mainly including Fe and Pd, or mainly including Co and Pt, and the crystal grains further including 0.1 to 50 atomic percent of at least one additive element dissolved therein.

4 0 0 5 0 4 1 6 3 - 0 4 1 3 6 0 1 2